CHANGE NOTICE

UPDATES CHANGES AND REVISIONS

The following Sections of the Light Duty Body Builders Manual have been revised and are noted as Rev. 11/99. Please replace the entire Section, dated Rev. 12/98, with this revision, dated Rev. 11/99:

— General Information
— C/K Full Size Truck (New)
— Heights, Weights & Ramp Angles

In those cases where only the Table of Contents has revision, please replace only the respective page(s):

— S/T Compact Truck
— C/K Full Size Truck Current

11/99 Publication

Tab	Contents	Revision Date
Change Notice	Updates, Changes, Revisions	**CN Rev. 11/99**
General Information		**GI Rev. 11/99**
S/T Compact Truck	Pickup/Utility	S/T Rev. 12/98
S/T Compact Truck	Table Of Content	**S/T Rev. 11/99**
C/K Full Size Truck (Current)	Pickup/Utility/ Suburban/Chassis Cab	C/K (Current) Rev. 12/98
C/K Full Size Truck (Current)	Table Of Content	**C/K (Current) Rev. 11/99**
C/K Full Size Truck (New)	Pickup/Utility/ Suburban/Chassis Cab	**C/K (New) Rev. 11/99**
L/M Mid Size Van	Passenger/Cargo	L/M Rev. 12/98
G-Full Size Van	Passenger/Cargo/Cut-a-away	G Rev. 12/98
P-Forward Control Chassis	Motorhome/Commercial	P32/42 Rev. 12/98
Heights, Weights & Ramp Angles	Trim Heights	**FHRAD Rev. 11/99**
Electrical	Wiring Diagrams	Elect Rev. 12/98
Miscellaneous		Misc. Rev. 12/98
Glossary		Glos Rev. 12/98

***Out of Production Models:** P–Forward Control Chassis; S/T Compact Truck–T10803; C/K Full Size Truck Current–C/K 10753, C/K 10906, C/K 20906, C 20753.

NOTE: Please retain documentation from the previous publication (Rev. 12/98), that is revised with the current publication (Rev. 11/99), That you find necessary to save for reference to the previous model year.

GENERAL INFORMATION

PROCEDURE FOR HANDLING CHASSIS/DEALER CLAIMS 1
General 1
Shipments Received from Truckaway or Driveaway Company 1
If Received from Railroad 1
Filing a Claim 1
Disposition of Damaged Parts 1

GOVERNMENT REGULATIONS 1
Introduction 1
Responsibility for Complete Vehicle Performance 2
Noise Emission Standards for Transportation Equipment–Medium and Heavy Trucks 2
40 CFR PART 205 2

TRUCK–CAMPER LOADING 2
Consumer Information Regulation 575.103-Truck Camper Loading 2

Limitations on Recommended CG Zones 3
Forward Limit 3
Rearward Limit 3

Loading Instructions 3

Definition of Terms 4

LIMITATIONS 5

Instructions for Prospective Truck Purchasers 5
Vehicle Selection and Weight Analysis 5

Worksheet–Cargo Weight Rating 6

Truck–Camper Loading Dimensions 7
S Series Pickup 7
C/K Series Pickup 7
C/K Series Pickups 8

Model Codes and Dimensions 9
Regular Cab Models 9
Extended/Club Cab Models 10
Regular Cab Models 10
Extended/Club Cab Models 11
Crew Cab Models 11

Calculations to Determine Forward (A) and Rearward (B) Location of Center of Gravity for Cargo Weight Rating 12
Calculations for Dimension A 12
Calculations for Dimension B 12

Method of Certification by GM 13
Completed Vehicle 13
Certification Labels 13

Method of Certification 13
Incomplete Vehicles 13
Models 13

Vehicle Classification and GM Application 14

Federal Regulation – Tires 14

GM Fleet & Commercial Operations 15

Base Model Weight Information 15
Payload Definition 15
Cargo Weight Definition 15
S–Series Pickup 15
C/K Pickup (Current) 16
C/K Pickup (New) 16
C/K Chassis Cab (Current) 16
C/K Chassis Cab (New) 17
C 3500 HD Chassis Cab 17
S/T Utility 17
C/K Utility 17
C/K Utility (New) 17
M/L Cargo Van 17
M/L Passenger Van 17
G Van Cargo 18
G Van Passenger 18
Commercial Cutaway 18

R/V Cutaway 18

Payload Determination 19
Payload Definition 19

Incomplete Vehicle Payload Determination 19
Payload Definition 19

Percentage Body and Payload Weight at Front Axle 20

Reserve Capacity Determination 20
Cargo Weight Definition 20
Reserve Capacity Determination Sample 22
Reserve Capacity Determination 22

TRAILERING ELECTRICAL INFORMATION 23
Trailer Harness Release 23
Trailer Harness Wire Colors 23
Vehicle to Trailer Electrical System Setup 24
General Information 24

How to Use GCWRs to Determine Powertrain and Rear Axle Ratio for Trailering 25
GCWR Rating For Rear Axle Ratio and Engine Combination with Automatic Transmission 25
GCWR Rating For Rear Axle Ratio and Engine Combination with Manual Transmission 26

Trailering Special Packages 26

All–New Sierra Maximum Trailer Ratings 27
Trailering Information 27
Suspension Chart 27
Vortec 4.3L V6 Engine 27
Vortec 4.8L V8 Engine 27
Vortec 5.3L V8 Engine 27
Vortec 6.0L V8 Engine 27
Sway Control 28
Weight Carrying Trailer Hitch 28
Weight Distributing Trailer Hitch Platform 28
Fifth–Wheel Trailer Hitch 28

C/K Pickup Maximum Trailer Ratings (Manual Transmission) 29
Vortec 4.3L L35 Engine 29
Vortec 5.0L L30 Engine 29
Vortec 5.7L L31 Engine 29
6.5L L65 Turbo Diesel Engine 29
Vortec 7.4L L29 Engine 29

C/K Pickup Maximum Trailer Ratings (Automatic Transmission) 30
Vortec 4.3L L35 Engine 30
Vortec 5.0L L30 Engine 30
Vortec 5.7L L31 Engine 31
6.5L L56/L65 Turbo Diesel Engine 31
Vortec 7.4L L29 Engine 31

C/K Pickup Maximum Trailer Ratings (5th Wheel Hitch) 32
Vortec 5.0L L30 Engine 32
Vortec 5.7L L31 Engine 32
6.5L L56/L65 Turbo Diesel Engine 32
6.5L L56/L65 Turbo Diesel Engine 32
Vortec 7.4L L29 Engine 32

C/K Utility Maximum Trailer Ratings 33
Vortec 5.7L L31 Engine 33
6.5L L56/L65 Turbo Diesel Engine 33

Suburban Maximum Trailer Ratings 34
Vortec 5.7L L31 Engine 34
6.5L L56/L65 Turbo Diesel Engine 34
Vortec 7.4L L29 Engine 34

S/T Pickup Maximum Trailer Ratings 35
2.2L LN2 Engine 35
Vortec 4.3L L35/LF6 Engine 35
Vortec 4.3L L35/LF6 Engine 35
S/T Utility Maximum Trailer Ratings 35
Vortec 4.3L L35 Engine 35
Vortec 4.3L L35 Engine 35
M/L Van Weight Distributing Hitch Trailering Chart 36
Vortec 4.3L L35 Engine 36
G Van Maximum Trailer Ratings 36
Vortec 4.3L L35 Engine 36
Vortec 5.0L L30 Engine 36
Vortec 5.7L L31 Engine 37
6.5L L56/L65 Turbo Diesel Diesel 37
Vortec 7.4L L29 Engine 37
WEIGHTS AND MEASURES 38
Standard Weights and Measures 38
Metric Weights and Measures 38
Equivalent Weights and Measures 38
Decimal Equivalents of Parts of an Inch 39
Approximate Weight of Materials 39
Metric/U.S. Customary Conversion Table 43
LIGHT DUTY 10/1500 – 30/3500 SERIES MODEL IDENTIFICATION SYSTEM 44
Notes 45

S/T TRUCK

BODY BUILDERS INSTRUCTIONS 1

Section 0 – General Instructions 1

Section 1 – Body 1

Air Conditioning 2

Section 2 – Frame 2

Flanges 2

Holes 2

Welding 2

Alterations 2

Shear Plate Attachments 2

Section 3 – Front Suspension 3

Section 4 – Rear Suspension 3

Section 5 – Brakes 3

Section 6 – Engine 3

Section 7 – Transmission 4

Section 8 – Fuel and Exhaust 4

Fuel Systems 4

Fuel Lines 4

Fuel Tank 5

Exhaust System 5

Section 9 – Steering 6

Section 10 – Tires 6

Section 12 – Electrical Battery and Battery Cables 6

Accessory Power Supply Feed: 7

Section 13 – Cooling 7

CHASSIS

S/T 10003 Pickup, General Arrangement 8

S/T 10516–2 Door Utility, General Arrangement 9

S/T 10506–4 Door Utility, General Arrangement 10

PICKUP WEIGHT DISTRIBUTION 11

S/T PICKUP BOX REMOVAL PROGRAM 11

BODY

S/T 10603 Pickup, Regular Cab with Short Box, General Arrangement 12

S/T 10603 Pickup, Regular Cab with Short Box, Hi-Wider, General Arrangement 13

S/T 10603 Pickup, Regular Cab with Short Box, Isuzu, General Arrangement 14

S/T 10803 Pickup, Regular Cab with Long Box, General Arrangement 15

S/T 10653 Pickup, Extended Cab with Short Box, General Arrangement 16

S/T 10003 Pickup, Front End Sheet Metal Arrangement (Chevrolet/GMC) 17

S/T 10000 Pickup, Front End Sheet Metal Arrangements (Isuzu/Bravada) 18

S/T 10003 Pickup, Cab Profile 19

S/T 100(03, 53) Pickup Box 20

S/T 100(03, 53) Pickup Box, Top Rail 21

S/T 100(03, 53) Pickup Box, Interior 22

S/T 100(03, 53) Pickup Box Sportside 23

S/T 100(03, 53) Pickup Box Sportside, Top Rail 24

S/T 100(03, 53) Pickup Box Sportside, Interior 25

S/T 10506–4 Door Utility, Exterior with End Gate, General Arrangement 26

S/T 10506–4 Door Utility, Exterior with Lift Gate, General Arrangement 27

NOTE: MODELS T10803 ARE CANCELLED AS OF 2000 MODEL YEAR

S/T 10516–2 Door Utility, Exterior, General Arrangement 28
S/T 10516 Utility, 2 Door, Exterior, Hi-Wider, General Arrangement . . 29
S/T 10(6/8)03 Pickup, Regular Cab, Interior 30
S/T 10653 Pickup, Extended Cab, Interior 31
S/T 10003 Pickup, Interior Seating 32
S/T 10516–2 Door Utility, Interior Seating 33
S/T 10506–4 Door Utility, Interior Seating 34

FRAME

S 10603 Pickup, 2 Wheel Drive, Crossmember Arrangement 35
T 10603 Pickup, 4 Wheel Drive, Crossmember Arrangement 36
S 10803 Pickup, 2 Wheel Drive, Crossmember Arrangement 37
T 10803 Pickup, 4 Wheel Drive, Crossmember Arrangement 38
S 10653 Pickup, 2 Wheel Drive, Crossmember Arrangement 39
T 10653 Pickup, 4 Wheel Drive, Crossmember Arrangement 40
S 10506 Pickup, 2 Wheel Drive, Crossmember Arrangement 41
T 10506 Pickup, 4 Wheel Drive, Crossmember Arrangement 42
S 10516 Pickup, 2 Wheel Drive, Crossmember Arrangement 43
T 10516 Pickup, 4 Wheel Drive, Crossmember Arrangement 44
S/T 100(03, 53) Pickup, Spare Tire Carrier 45
S/T 10506–4Door Utility, Spare Tire Carrier 46
S/T 105(06, 16) Utility, Trailer Hitch Mounting 47

AXLE/SUSPENSION

S 10000 Front Axle/Tire Data Chart 48
T 10000 Front Axle/Tire Data Chart 49
S/T 10003 Pickup, Rear Axle/Tire Data Chart 50
S/T 105(06, 16) Utility, Rear Axle/Tire Data Chart 51

FUEL TANK

S/T 100(03, 53) Pickup 52
S/T 10506 Utility 4 Door 53
S/T 10516 Utility 2 Door 54

EXHAUST

S 100(03, 53) Pickup, Gas Engine 2.2L L4, Option LN2 55
S 100(03, 53) Pickup, Gas Engine 4.3L V6, Option LB4–ZR2 56
T 100(03, 53) Pickup, Gas Engine 4.3L V6, Option LB4–ZR2 57
T 106(03, 53) Hi-Wider Pickup, Gas Engine 4.3L V6, Option LB4 & ZR2 58
S 10506–4 Door Utility, Gas 4.3L V6, Option LB4 59
T 10506–4 Door Utility, Gas 4.3L V6, Option LB4 60
S 10516–2 Door Utility, Gas Engine 4.3L V6, Option LB4 61
T 10516–2 Door Utility, Gas Engine 4.3L V6, Option LB4 62

ELECTRICAL

Ordering Information 63

NOTE: MODELS T10803 ARE CANCELLED AS OF 2000 MODEL YEAR

C/K Truck (Current)

BODY BUILDERS INSTRUCTIONS 1

Section 0 – General Instructions 1

Section 1 – Body 1

Conversions 2
Air Conditioning 2
Rear Air Conditioning 2

Section 2 – Frame 2

Flanges 2
Holes 2
Welding 2
Alterations 3
Shear Plate Attachments 3

Section 3 – Front Suspension 3

Section 4 – Rear Suspension 3

Section 5 – Brakes 3

Section 6 – Engine 4

Section 7 – Transmission 5

Section 8 – Fuel and Exhaust 5

Fuel Systems 5
Fuel Fill 5
Fuel Lines 6
Fuel Tank 6
Gaseous Fuel Conversions 6
Exhaust System 7

Section 9 – Steering 7

Section 10 – Tires 7

Section 12 – Electrical Battery and Battery Cables 8

Auxiliary Battery (Gasoline Engines Only) 8
Accessory Power Supply Feed 8

Section 13 – Cooling 9

CHASSIS

C 30903 (9000 GVWR) Regular Cab, 2 Wheel Drive w/6.5T Diesel Engine 10

K 30903 (9200 GVWR) Regular Cab, 4 Wheel Drive w/6.5T Diesel Engine 11

C (107/207)53 Extended Cab, 2 Wheel Drive w/6.5T Diesel Engine 12

K (107/207)53 Extended Cab, 4 Wheel Drive w/6.5T Diesel Engine 13

C (109/209)53 Extended Cab, 2 Wheel Drive w/6.5T Diesel Engine 14

K (109/209)53 Extended Cab, 4 Wheel Drive w/6.5T Diesel Engine 15

C 20953 & C6P (8600 GVWR)/C 30953 (9000 GVWR) Extended Cab, 2 Wheel Drive w/6.5T Diesel Engine 16

K 20953 & C6P (8600 GVWR)/K 30953 (9200 GVWR) Extended Cab, 4 Wheel Drive w/6.5T Diesel Engine 17

C (207/307)43 Crew Cab, 2 Wheel Drive 18

K (207/307)43 Crew Cab, 4 Wheel Drive 19

C 30943 Crew Cab, 2 Wheel Drive 20

K 30943 Crew Cab, 4 Wheel Drive 21

C (310/314)03 Chassis Cab, Regular Cab, 2 Wheel Drive, 10,000/11,000 GVWR w/6.5T Diesel Engine 22

K (310/314)03 Chassis Cab, Regular Cab, 4 Wheel Drive, 12,000 GVWR w/6.5T Diesel Engine 23

C (310/314/318)03 Chassis Cab, Regular Cab, 2 Wheel Drive, 15,000 GVWR w/6.5T Diesel Engine 24

C (109/209)06 Suburban, 2 Wheel Drive w/6.5T Diesel Engine 25

K (109/209)06 Suburban, 4 Wheel Drive w/6.5T Diesel Engine 26

C 10516 Utility, 2 Wheel Drive, 2 Door 27

K 10516 Utility, 4 Wheel Drive, 2 Door 28

NOTE: MODELS CK 10753, CK 10953, CK 10906, CK 20906, C 20753, ARE CANCELLED AS OF 2000 MODEL YEAR

C/K 10706 Utility, 4 Door 29

Pickup, Cargo Box Weight Distribution 30

Chassis Cab, Body Cargo Weight Distribution 31

Front Mounted Accessories 32

% Front/Rear Weight Distribution for Equipment Mounted Ahead of Front Axle 32

Rear Mounted Accessories 32

% Front/Rear Weight Distribution for Equipment Mounted Behind Rear Axle 32

Chassis Cab Payload Weight Distribution 32

C/K Crew Cab Chassis Cab (%Front/Rear) 32

C/K Chassis Cab (%Front/Rear) 32

C/K 3500 HD Chassis Cab (%Front/Rear) 32

K 35000 Power Take Off (PTO) Transfer Case 33

C/K 309(03/53) & C/K (310/314)03 Power Take Off (PTO) Transmission 34

C (310/314/318)03 Power Take Off (PTO) Transmission 35

SNOWPLOW INSTALLATION 36

Model Availability, Recommended Procedures and Guidelines 36

Ballast Compensating Weight 36

1999 Snowplow Prep Package-Option VYU 36

GMTG: Chevrolet/GMC 36

PICKUP BOX REMOVAL PROGRAM 38

Alterations To Completed Vehicles 38

Fuel Tank Filler Neck (Gasoline) 39

Fuel Tank Filler Neck (Diesel) 40

Recommended Fuel Fill Access Zone 41

Fuel Fill System Modifications–Connector & Label (Diesel Vehicles Only) 42

Pickup Box Removal Fuel Fill System Modifications (Diesel) 42

Pickup Box Removal Fuel Fill System Modifications (Gasoline) 43

Tail Lamp Assembly 44

Federal Motor Vehicle Safety Standards 44

FMVSS 101 – Controls and Displays 44

FMVSS 102 – Transmission Shift Level Sequence, Starter Interlock and Transmission Braking Effect 45

FMVSS 103 – Windshield Defrosting and Defogging Systems 45

FMVSS 104 – Windshield Wiping and Washing Systems 45

FMVSS 105 – Hydraulic Service Brake, Emergency Brake and Parking Brake Services 45

Allowable Center of Gravity Chart: 46

FMVSS 106 – Brake Hoses 48

FMVSS 108 – Lamps, reflective Devices and Associated Equipment 48

FMVSS 111 – Rearview Mirrors 48

FMVSS 112 – Headlamp Concealment Devices 48

FMVSS 113 – Hood Latch System 48

FMVSS 114 – Theft Proctection (GVWR of 10,000 Pounds or Less) 48

U.S. CFR 49, PART 567/CMVSS 115 – Vehicle Identification Number 49

FMVSS 116 – Motor Vehicle Brake Fluids 49

FMVSS 120 – Tire Selection and Rims for Vehicles Other than Passenger Cars 49

FMVSS 124 – Accelerator Control Systems 49

FMVSS 201 – Occupant Protection in Interior Impacts (GVWR of 10,000 Pounds or Less) 49

FMVSS 202 – Head Restraints (GVWR of 10,000 Pounds or Less) 49

FMVSS 203 – Impact Protection for the Driver from the Steering Control System (GVWR of 10,000 Pounds or Less) 49

FMVSS 204 – Steering Control Rearward Displacement (GVWR of 10,000 Pounds or Less) 49

FMVSS 205 – Glazing Materials 49

FMVSS 206 – Door Locks and Door Retention Components (Not Applicable to Bus) 50

NOTE: MODELS CK 10753, CK 10953, CK 10906, CK 20906, C 20753, ARE CANCELLED AS OF 2000 MODEL YEAR

FMVSS 207 – Seating Systems 50
FMVSS 208 – Occupant Crash Protection 50
FMVSS 209 – Seat Belt Assemblies 51
FMVSS 210 – Seat Belt Assembly Anchorages 51
FMVSS 212 – Windshield Mounting (GVWR of 10,000 Pounds or Less) 51
FMVSS 214 – Side Impact Protection (GVWR of 10,000 Pounds or Less) 51
FMVSS 216 – Roof Crush Resistance (GVWR of 6000 Pounds or Less) 51
FMVSS 219 – Windshield Zone Intrusion (GVWR of 10,000 Pounds or Less) 51
FMVSS 301 – Fuel System Integrity MPV'S, Trucks and Buses (GVWR of 10,000 Pounds or Less) 51
FMVSS 302 – Flammability of Interior Materials 52

Canadian Motor Vehicle Safety Standards 52
CMVSS 1101–Emission Device 52
CMVSS 1102–Crankcase Emission 52
CMVSS 1103–Exhaust Emission 52
CMVSS 1104–Opacity (Diesel Engine Only) 52
CMVSS 1105–Evaporate Emission (If less than 6000 GVW) 52
CMVSS 1106–Noise 52
Canadian Radio Frequency Interference Regulations 52

U.S. EPA and California Exhaust and Evaporative Emission Requirements 53
Table 'A' 54

BODY

C/K Truck, Regular Cab, Interior 55
C/K Truck, Regular Cab, Exterior 56
C/K (107/207)53, Extended Cab, Interior 57
C/K (107/207)53, Extended Cab, Exterior w/E24 Rear Access Door . . 58
C/K (207/307/309)43 Crew Cab, Interior 59
C/K (207/307/309)43 Crew Cab, Exterior 60
C/K Truck Pickup Box, Sportside, 6.5 ft. 61
C/K Truck Pickup Box, Fleetside/Wideside, 8 ft. 62
C/K Truck Pickup Box, Fleetside/Wideside and Heavy Hauler/ Big Dooley 63
C/K Truck Pickup Box, Fleetside/Wideside and Heavy Hauler/ Big Dooley 64
C/K (109/209)06 Suburban, Interior Sheet Metal 65
C/K (109/209)06 Suburban, Interior Trim 66
C/K (109/209)06 Suburban, Seating, Front 67
C/K (109/209)06 Suburban, Seating, Intermediate/Rear 68
C/K (109/209)06 Suburban, Exterior, Cargo Doors 69
C/K (109/209)06 Suburban, Exterior, End Gate 70
C/K (1/2)0906 Suburban, Side Step Running Boards, Option BVE . . . 71
C/K 10516 Utility, Seating, Front/Rear 72
C/K 10516 Utility, Exterior, Cargo Doors 73
C/K 10516 Utility, Exterior, End Gate 74
C/K 10516 Utility, Side Step Running Boards, Option BVE 75
C/K 10706 Utility, Exterior 76
C/K 10706 Utility, Exterior 77
C/K 10706 Utility, Seating Arrangement 78
C/K (1/2/3)0000 Mirror Options 79
C/K Truck, Front Floor Seat Mounting 80

FRAME

C 30903 Regular Cab Pickup, Crossmember Arrangement 81
K 30903 Regular Cab Pickup, Crossmember Arrangement 82
C (1/2)0753 Extended Cab Pickup, Crossmember Arrangement 83
K (1/2)0753 Extended Cab Pickup, Crossmember Arrangement 84

NOTE: MODELS CK 10753, CK 10953, CK 10906, CK 20906, C 20753, ARE CANCELLED AS OF 2000 MODEL YEAR

C (1/2/3)0953 Extended Cab Pickup, Crossmember Arrangement ... 85

K (1/2/3)0953 Extended Cab Pickup, Crossmember Arrangement ... 86

C 30943 Crew Cab Pickup, Crossmember Arrangement 87

K 30943 Crew Cab Pickup, Crossmember Arrangement 88

C (1/2)0906 Suburban, Crossmember Arrangement 89

K (1/2)0906 Suburban, Crossmember Arrangement 90

C (310/314)03 Chassis Cab, 10,000 and 11,000 lb. GVWR, Crossmember Arrangement 91

C (310/314)03 Chassis Cab, 10,000 and 11,000 lb. GVWR, Frame Reinforcement 92

K (310/314)03 Chassis Cab, 12,000 lb. GVWR, Crossmember Arrangement 93

K (310/314)03 Chassis Cab, 12,000 lb. GVWR, Frame Reinforcement 94

C (310/314/318)03 Chassis Cab, 15,000 lb. GVWR, Crossmember Arrangement 95

C 3500HD Outside Channel Reinforcement 96

C 10516 Utility, 2 Door, Crossmember Arrangement 97

K 10516 Utility, 2 Door, Crossmember Arrangement 98

C 10706 Utility, 4 Door, Crossmember Arrangement 99

K 10706 Utility, 4 Door, Crossmember Arrangement 100

C/K 10706 Utility, Spare Tire Carrier 101

C/K 10706 Utility, Platform Hitch Mounting 102

AXLE/SUSPENSION

C 1500/2500/3500 Front Axle/Tire Data Chart, 2 Wheel Drive 103

K 1500/2500/3500 Front Axle/Tire Data Chart, 4 Wheel Drive 104

C 3500HD Front Axle/Tire Data Chart, Chassis Cab, 15,000 GVWR 105

C 3500HD Rear Suspension Hanger Bracket Locations, Chassis Cab, 15,000 GVWR 106

C/K 1500 Series, Rear Axle/Tire Data Chart 107

C/K 200/300 Rear Axle/Tire Data Chart, Pickup 108

C/K 300 Rear Axle/Tire Data Chart, Chassis Cab 109

ENGINE

C/K Truck, Engine, General Arrangement 110

FUEL TANK

C/K 30943 Pickup, Crew Cab 111

C/K (310/314)03 Chassis Cab, 10,000, 11,000 and 12,000 lb. GVWR 112

C/K (310/314/318)03 Chassis Cab, 15,000 lb. GVWR 113

C 10706–2 Wheel Drive Utility 114

K 10706–4 Wheel Drive Utility 115

EXHAUST

C/K (107/109)(03/53) Pickup, 4.3L Gas Engine, Option L35 116

C/K (1/2)(07/09)(03/53) Pickup, 5.0L Gas Engine, Option L30 117

C/K (1/2)(07/09)(03/53) Pickup, 5.7L Gas Engine, Option L31 118

C/K (1/2)0906 Suburban, 5.7L Gas Engine, Option L31 and 7.4L Gas Engine, Option L29 119

C/K 200 & C6P–C/K 309(03/53) Pickup, 5.7L Gas Engine, Option L31 and 7.4L Gas Engine, Option L29 120

C/K 30943 Crew Cab, 5.7L Gas Engine, Option L31 and 7.4L Gas Engine, Option L29 121

C/K (310/314)03 Chassis Cab, 10.000 and 12,000 lb. GVWR, 5.7L Gas Engine, Option L31 and 7.4L Gas Engine Option L29 .. 122

C 3500HD – Chassis Cab, 15,000 GVWR, 7.4L Gas Engine, Option L29 123

NOTE: MODELS CK 10753, CK 10953, CK 10906, CK 20906, C 20753, ARE CANCELLED AS OF 2000 MODEL YEAR

C/K TRUCK (CURRENT)

C/K 10516 w/5.7L Gas Engine, Option L31 124
C/K 10706 w/5.7L Gas Engine, Option L31 125
ELECTRICAL
Ordering Information 126
Electrical System Interfacing Guidelines 126
General Discussion 126
High Idle Control – (Diesel Vehicles Only) 126
Neutral Safety Switch Connection 128
Separated Function Stop/Turn Lamps 130
Procedure: 130
Continuous Powered Memory Circuits (Diesel) 130
Auxiliary Electrical Loads 132
HVAC Controls 134
Ignition Power Feed Interfacing 134

NOTE: MODELS CK 10753, CK 10953, CK 10906, CK 20906, C 20753, ARE CANCELLED AS OF 2000 MODEL YEAR

C/K Truck (New)

BODY BUILDERS INSTRUCTIONS 1

Section 0 – General Instructions 1

Section 1 – Body 1

Conversions 2

Air Conditioning 2

Rear Air Conditioning 2

Section 2 – Frame 2

Flanges 2

Holes 2

Welding 3

Alterations 3

Shear Plate Attachments 3

Section 3 – Front Suspension 3

Section 4 – Rear Suspension 3

Section 5 – Brakes 3

Section 6 – Engine 4

Section 7 – Transmission 5

Section 8 – Fuel and Exhaust 5

Fuel Systems 5

Fuel Fill 5

Fuel Lines 6

Fuel Tank 6

Gaseous Fuel Conversions 6

Exhaust System 7

Section 9 – Steering 7

Section 10 – Tires 7

Section 12 – Electrical Battery and Battery Cables 8

Auxiliary Battery (Gasoline Engines Only) 8

Section 13 – Cooling 8

Model Symbol Chart 9

CHASSIS

C/K (15/25)703 General Arrangement 10

C/K 15706 General Arrangement 11

C/K (15/25) 906 General Arrangement 12

SNOW PLOW PREP INSTALLATION 13

Electrical Provisions 13

Snow Plow Prep Package Option VYU 14

PICKUP BOX REMOVAL PROGRAM 19

Alterations to Complete Vehicles 19

Allowable Center of Gravity charts 20

Fuel Fill System Modification (GAS) 21

Fuel Tank Filler Neck (GAS) 22

Tail Lamp Wiring Modifications 25

BODY

C/K 15703 Regular Cab with Short box 37

C/K (15/25)903 Regular Cab with Long Box 38

C/K 15703 Regular Cab, Sportside 39

C/K (15/25)753 Extended Cab with Short Box 40

C/K (15/25)953 Extended Cab with Long Box 41

C/K 15753 Extended Cab, Sportside 42

C/K 15706 – 4 Door Utility General Arrangement 43

C/K (15/25) 906 – Suburban General Arrangement 44

C/K (15/25)(7/9)03 Regular Cab Interior 45

C/K (15/25)(7/9)53 Extended Cab Interior 46

C/K (15/25)(7/9)(03/53) Interior Seating Positions 47
C/K 15706 – Interior Seating Position 48
C/K (15/25) 906 – Interior Seating Position 49
C/K (15/25)(7/9)(03/53) Front Floor Seat Mounting Locations 50
C/K (15/25)(7/9)03 Regular Cab Exterior 51
C/K (15/25)(7/9)53 Extended Cab Exterior 52
C/K (15/25)(7/9)(03/53/06) Door Openings 53
C/K (15/25)(7/9) 06 – Rear Door Openings 54
C/K (15/25)(7/9)(03/53/06) Front End Sheet Metal 55
C/K (15/25)(7/9)(03/53/06) Outside, Rearview Mirror Options 56
C/K (15/25)(7/9)(03/53) Cab Profile Nominal, Regular/Extended Cab . 57
C/K (15/25)(7/9)(03/53/06) Hood Profile (Chevy) 58
C/K (15/25)(7/9)(03/53/06) Hood Profile (GMC) 59
C/K (15/25)(7/9)(03/53/06) Hood Inner Panel 60
C/K (15/25)(7/9)(03/53) Stake Pockets 61
C/K (15/25)(7/9)(03/53) Fleetside 62
C/K (15/25)(7/9)(03/53) Fleetside, Top Rail 63
C/K (15/25)(7/9)(03/53) Fleetside, Inner Side Panel 64
C/K 157(03/53) Sportside 65
C/K 157(03/53) Sportside, Top Rail 66
C/K 157(03/53) Sportside, Inner Side Panel 67
C/K 15706 – Luggage Rack & Runnhing Boards 68
C/K (15/25) 906 – Luggage Rack & Running Boards 69

FRAME

C/K 15903 Rail and Crossmember Arrangement 70
C/K 25903 Rail and Crossmember Arrangement 71
C/K 15753 Rail and Crossmember Arrangement 72
C/K 15953 Rail and Crossmember Arrangement 73
C/K 15706 – Rail and Crossmember Arrangement 74
C/K 15906 – Rail and Crossmember Arrangement 75
C/K 25906 – Rail and Crossmember Arrangement 76
C/K 25753 Rail and Crossmember Arrangement 77
C/K 25953 Rail and Crossmember Arrangement 78
C 15000 Pickup Front Frame 79
C 25000 Pickup Front Frame 80
K Pickup 15000/CK 15000 Utility Front Frame 81
K 25000 Pickup/CK 25000 Utility Front Frame 82
C/K (15/25)000 Spare Tire Carrier 83
C/K (15/25)000 Utility – Spare Tire Carrier 84
C/K (15/25)000 Pickup Platform Hitch Mounting 85
C/K (15/25)(7/9) 06 Utility – Platform Hitch Mounting 86

AXLE SUSPENSION

C (15/25)000 Front Axle/Tire Data, 2 Wheel Drive 87
C (15/25)(7/9) 06 – Front Axle/Tire Data 2 Wheel Drive 88
K (15/25)000 Front Axle/Tire Data, 4 Wheel Drive 89
K (15/25)(7/9) 06 – Front Axle/Tire Data 4 Wheel Drive 90
C/K (15/25)000 Rear Axle/Tire Data 91
C/K (15/25)(7/9) 06 – Rear Axle/Tire Data 92

FUEL TANK

C/K 157/257 (03/53) 26 Gallon Fuel Tank 93
C/K 159/259 (03/53) 34 Gallon Fuel Tank 94

C/K 15706 26 Gallon Fuel Tank 95

C/K 15906 33 Gallon Fuel Tank 96

C/K 25906 36 Gallon Fuel Tank 97

EXHAUST

4.3L Gas Engine, Option L35 98

4.8L Gas Engine, Option LR4 99

5.3L Gas Engine, Option LM7 100

6.0L Gas Engine, Option LQ4 101

6.5L Turbo Diesel, Option L65 102

C/K 15 (7/9) 06 – 5.3L Gas Engine Option LM7 103

C/K 25906 – 6.0L Gas Engine Option LQ4 104

ELECTRICAL

Mid Bussed Electrical Center (MBEC) 106

SEO Connector 107

TRLR Connector 107

Upfit Connector 108

Cel PH Connector 108

BODY BUILDERS INSTRUCTIONS 1

Section 0 – General Instructions 1

Section 1 – Body 1

Conversions 2
Air Conditioning 2
Rear Air Conditioning 2

Section 2 – Frame 2

Holes 2
Welding 2
Alterations 3

Section 3 – Front Suspension 3

Section 4 – Rear Suspension 3

Section 5 – Brakes 3

Section 6 – Engine 3

Section 7 – Transmission 5

Section 8 – Fuel and Exhaust 5

Fuel Systems 5
Fuel Fill 5
Fuel Lines 5
Fuel Tank 6
Exhaust System 6

Section 9 – Steering 6

Section 10 – Tires 7

Section 12 – Electrical Battery and Battery Cables 7

Accessory Power Supply Feeds 8

Section 13 – Heating/Cooling 9

Valve Sources: 9

CHASSIS

L/M 11005 General Arrangement, Exterior 10

L/M 11006 General Arrangement, Exterior 11

L/M 110(05, 06) General Arrangement, Interior 12

L/M 110(05, 06) General Arrangement, Interior 13

BODY

L/M 110(05, 06F) Bumper, Tailgate and Dutch Door 14

L/M 110(05, 06) Seat Mounting Hole Locations 15

L/M 110(05, 06) Roof Rack Mounting 16

FRAME

Refer to Chassis–General Arrangement 10–13

AXLE/SUSPENSION

Refer to Chassis–General Arrangement 10–13

FUEL TANK

Refer to Chassis–General Arrangement 10–13

EXHAUST

Refer to Chassis–General Arrangement 10–13

ELECTRICAL

Ordering Information 17

NOTE: This vehicle has two air-bags–one air bag for the driver and another air bag for the right front passenger. To help prevent unwanted inflation, see GM Service Manual for Diagnostic and Service Procedures before performing any service.

G VAN (GMT 600)

BODY BUILDERS INSTRUCTIONS 1

Section 0 – General Instructions 1
Welding 1
Labels 1

Section 1 – Body 2
Conversions 2
Air Conditioning 2
Rear Air Conditioning 2

Section 2 – Frame 3
Flanges 3
Holes 3
Alterations 3
Shear Plate Attachments 3
Trailer Towing 3

Section 3 – Front Suspension 3

Section 4 – Rear Suspension 4

Section 5 – Brakes 4

Section 6 – Engine 4

Section 7 – Transmission 5

Section 8 – Fuel and Exhaust 6
Fuel Systems 6
Fuel Fill 6
Fuel Lines 6
Fuel Tank 6
Gaseous Fuel Conversions 7
Exhaust System 7

Section 9 – Steering 8

Section 10 – Tires 8

Section 12 – Electrical Battery and Battery Cables 8
Battery Installation 8
Accessory Power Supply Feeds 10

Section 13 – Cooling 10

CHASSIS

G (114/214/217/314/317)(05/06) General Arrangement 11

BODY

G (114/214/214)(05/06) 135” Wheelbase, Exterior, 5, 8 or 12 Passenger 12

G (114/214/314)(05/06) 135” Wheelbase, Interior, 5, 8 or 12 Passenger 13

G (217/317)(05/06) 155” Wheelbase, Exterior 14

G (217/317)(05/06) 155” Wheelbase, Interior, 5, 8 or 12 Passenger 15

G (217/317)(05/06) 155” Wheelbase, Interior, 15 Passenger 16

G 00000 Seat Riser Assembly Mounting 17

G (114/214/217/314/317)(05/06) Roof Bows, Pedal Positions and Steering Wheel 18

G (114/214/217/314/317)(05/06) Exterior, Glass 19

G (114/214/217/314/317)(05/06) Sign Area 20

G (315/318/319)(03/32) Cutaway, Exterior 21

G (315/318/319)(03/32) Cutaway, Interior 22

Cutaway, Rear Flange 23

FRAME

G (114/214)(05/06) Light Duty Crossmember Arrangement, 135” Wheelbase 24

G (214/314)(05/06) Heavy Duty Crossmember Arrangement, 135” Wheelbase 25

G 217(05/06) Light Duty Crossmember Assembly, 155” Wheelbase 26

G (217/317)(05/06) Heavy Duty Crossmember Arrangement, 155” Wheelbase 27

G 315(03/32) Heavy Duty Cutaway Crossmember Arrangement, 139” Wheelbase 28

G 318(03/32) Heavy Duty Cutaway Crossmember Arrangement, 159” Wheelbase 29

G 319(03/32) Heavy Duty Cutaway Crossmember Arrangement, 177” Wheelbase 30

G (114/214/217/314/317)(05/06) Spare Tire Carrier 31

G (114/214/217/314/317)(05/06) Trailer Hitch, 135”/155” Wheelbase . . 32

AXLE/SUSPENSION

G (114/214/217/314/317)(05/06) Front Axle/Tire Data Chart 33

G (114/214/217/314/317)(05/06) Rear Axle/Tire Data Chart 34

G (315/318/319)(03/32) Front Axle/Tire Data Chart 35

G (315/318/319)(03/32) Rear Axle/Tire Data Chart 36

FUEL TANK

G (114/214/217/314/317)(05/06) General Arrangement, 135”/155” Wheelbase 37

G (315/318/319)(03/32) General Arrangement, 35 Gallon and 55 Gallon 38

EXHAUST

G (114/214/217/314/317)(05/06) Muffler Arrangement, 135”/155” Wheelbase 39

G (114/214/217/314/317)(05/06) Light Duty Converter Assembly, Engine Options L30, L31, L35 40

G (217/317)(05/06) Heavy Duty Converter Assembly, Engine Options L31 California, L35 41

G (217/317)(05/06) Heavy Duty Converter Assembly, Engine Options L31, L29 42

G (217/317)(05/06) Heavy Duty Converter Assembly, Engine Option L65 43

G 315(03/32) Heavy Duty Cutaway Converter/Muffler Assembly, Engine Option L29/L31 44

G (318/319)(03/32) Heavy Duty Cutaway Converter/Muffler Assembly, 159”/177” Wheelbase, Engine Option L29/L31 45

G (315/318/319)(03/32) Heavy Duty Cutaway Converter/Muffler Assembly, 139”/159”/177” Wheelbase, Engine Option L65 46

ELECTRICAL

Ordering Information 47

NOTE: This vehicle has two air bags–one air bag for the driver and another air bag for the right front passenger. To help prevent unwanted inflation, see GM Service Manual for Diagnostic and Service Procedures before performing any service.

FRAME HEIGHT AND RAMP ANGLE DATA

S/T TRUCK

S/T 10003 Pickup 1
Heights (To Ground) 1
Angle 1
Approach Angle(s) (Bottom of) 1
Departure Angle(s) (Bottom of) 1
S 10603 108.0” Wheelbase 2
S 10803 118.0” Wheelbase 2
S 10653 123.0” Wheelbase 2
T 10603 108.0” Wheelbase 3
T 10653 123.0” Wheelbase 3

S/T 10506 4–Door Utility 4
Heights (To Ground) 4
Angle 4
Approach Angle(s) (Bottom of) 4
Departure Angle(s) (Bottom of) 4
S 10506 107.0” Wheelbase 5
T 10506 107.0” Wheelbase 5

S/T 10516 2–Door Utility 6
Heights (To Ground) 6
Angle 6
Approach Angle(s) (Bottom of) 6
Departure Angle(s) (Bottom of) 6
S 10516 100.5” Wheelbase 7
T 10516 100.5” Wheelbase 7

C/K TRUCK (CURRENT)

C/K Truck (Current) 8
Heights (To Ground) 8
Angle 8
Approach Angle(s) (Bottom of) 8
Departure Angles(s) (Bottom of) 8
C 10706 117.5” Wheelbase 9
K 10706 117.5” Wheelbase 9
C 20743 154.5” Wheelbase 10
C 20903 131.5” Wheelbase 10
C 20953 155.5” Wheelbase 11
K 20743 154.5” Wheelbase 11
K 20753 141.5” Wheelbase 12
K 20903 131.5” Wheelbase 12
K 20953 155.5” Wheelbase 13
C 30743 154.5” Wheelbase 13
C 30903 131.5” Wheelbase 14
C 30943 168.5” Wheelbase 15
C 30953 155.5” Wheelbase 15
C 31003 135.5” Wheelbase 16
C 31403 159.5” Wheelbase 17
C 31803 183.5” Wheelbase 17
K 30743 154.5” Wheelbase 18
K 30903 131.5” Wheelbase 19
K 30943 168.5” Wheelbase 20
K 30953 155.5” Wheelbase 20
K 31003 135.5” Wheelbase 21
K 31403 159.5” Wheelbase 21

C/K TRUCK (NEW)

C/K Truck (New) 22
Heights (To Ground) 22
Angle 22
Approach Angle(s) (Bottom of) 22
Departure Angles(s) (Bottom of) 22
C 15706 116.0” Wheelbase 23
C 15906 130.0” Wheelbase 23
C 15703 119” Wheelbase 23
C 15753 143.5” Wheelbase 24
C 15903 133” Wheelbase 24
C 15953 157.5” Wheelbase 24
K 15706 116.0” Wheelbase 25

K 15906 130.0” Wheelbase 26
K 15703 119” Wheelbase 26
K 15753 143.5” Wheelbase 26
K 15903 133” Wheelbase 27
K 15953 157.5” Wheelbase 27
C 25906 130.0” Wheelbase 27
C 25753 143.5” Wheelbase 28
C 25903 133” Wheelbase 28
C 25953 157.5” Wheelbase 28
K 25906 130.0” Wheelbase 29
K 25753 143.5” Wheelbase 29
K 25903 133” Wheelbase 29
K 25953 157.5” Wheelbase 30

L/M VAN

L/M 110(05, 06) 31
Heights (To Ground) 31
Angle 31
Approach Angle(s) (Bottom of) 31
Departure Angle(s) (Bottom of) 31
L 11005 111.0” Wheelbase 32
L 11006 111.0” Wheelbase 32
M 11005 111.0” Wheelbase 32
M 11006 111.0” Wheelbase 33

G–VAN (GMT 600)

G Van (GMT 600) 34
Heights (To Ground) 34
Angle 34
Approach Angle(s) (Bottom of) 34
Departure Angle(s) (Bottom of) 34
G 11405 135.0” Wheelbase 35
G 11406 135.0” Wheelbase 35
G 21405 135.0” Wheelbase 36
G 21406 135.0” Wheelbase 36
G 21705 155.0” Wheelbase 37
G 21706 155.0” Wheelbase 37
G 31405 135.0” Wheelbase 37
G 31406 135.0” Wheelbase 38
G 31503 139.0” Wheelbase 38
G 31532 139.0” Wheelbase 38
G 31705 155.0” Wheelbase 39
G 31706 155.0” Wheelbase 39
G 31803 159.0” Wheelbase 39
G 31832 159.0” Wheelbase 40
G 31903 177.0” Wheelbase 40
G 31932 177.0” Wheelbase 40